

Current Electricity

- **Static electricity** → charges at rest
- **Current electricity** → charges in motion
- **Conductors** → allow current
- **Insulators** → block current
- Current flows only in **closed circuit**
- **Voltage** is required for **current flow**
- **Ohm's Law** → current \propto voltage
- Resistance **opposes current**
- **Heating effect** → current produces heat
- Used in **heaters and irons**
- Current produces **magnetic field**
- Basis of **motors and electromagnets**
- **Power** = rate of energy use
- **SI unit** → watt
- **Electricity unit** → kWh


OGCDDA




Click Subject Button to Explore More 




ENGLISH
Noun, Pronoun, Verb, Tense, Preposition, Subject-verb agreement and adverbs
[Check Now →](#)




PHYSICS
Mechanics, Thermodynamics, Optics and Modern Physics Concepts for defence exams
[Check Now →](#)



CHEMISTRY
Physical, Organic, Inorganic Chemistry and Environmental Science topics
[Check Now →](#)



BIOLOGY
Cell, Tissues, Disease, Photosynthesis, Reproduction, Nervous System
[Check Now →](#)



MATHEMATICS
Algebra, Calculus, Trigonometry, Coordinate geometry, Probability and statistics
[Check Now →](#)




HISTORY
Ancient, Medieval, Modern Indian History, Freedom Struggle
[Check Now →](#)




GEOGRAPHY
Physical Geography, Indian Geography, Mapping, Climate
[Check Now →](#)



POLITY
Constitution, Fundamental Rights, Parliament, Judiciary
[Check Now →](#)



ECONOMICS
Indian Economy, Budget, Inflation, Banking, Fiscal Policy
[Check Now →](#)



EVS
Environment, Ecology, Biodiversity, Climate Change, Sustainable Development
[Check Now →](#)

[NDA EXAM](#)


[CDS EXAM](#)

[OTA EXAM](#)

[AFCAT EXAM](#)

[RIMC EXAM](#)

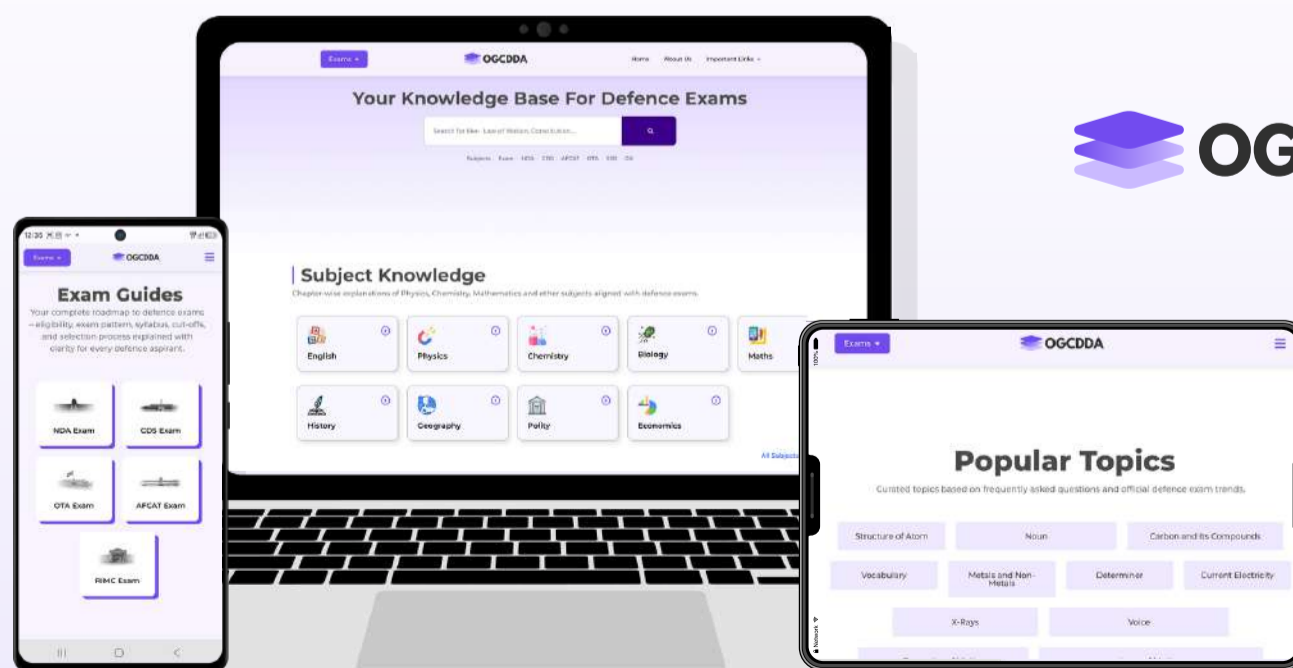
[SSB INTERVIEW](#)

Click Exam Button to Explore More 

Want to Ace Defence Exams

To Know More About Offline & Online Defence Coaching Programs

[Click Here](#)



The image displays the OGCDDA website interface across three devices: a laptop, a tablet, and a smartphone. The laptop screen shows the main page with the heading "Your Knowledge Base For Defence Exams" and a search bar. Below the search bar, there is a "Subject Knowledge" section with a grid of subject buttons: English, Physics, Chemistry, Biology, Maths, History, Geography, Polity, and Economics. The tablet screen shows the "Exam Guides" section, listing NDA Exam, CDS Exam, OTA Exam, AFCAT Exam, and RIMC Exam. The smartphone screen shows the "Popular Topics" section, listing various topics such as Structure of Atom, Noun, Carbon and its Compounds, Vocabulary, Metals and Non-Metals, Determiner, Current Electricity, X-Rays, and Voice. The OGCDDA logo is visible in the top right corner of the laptop screen.

 **OGCDDA**